

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. **(currently amended)** A TDD—type TDD power amplification module, comprising:

a terminal through which a TDD control signal is transmitted;

a first port through which a transmitting signal is inputted and a receiving signal is outputted;

a second port through which the transmitting signal is outputted and the receiving signal is inputted;

first and second transmission lines coupled between the first and second ports to have a quarter of a wavelength of the transmitting and receiving signals and to form a receiving signal path of the receiving signal;

a power amplifier unit amplifying the transmitting signal inputted through the first port to output the amplified transmitting signal to the second port;

first and second switching units provided between the first and second ports and the power amplifier unit, and forming and blocking a transmitting ~~and receiving~~ signal path between the first port and the second port through the power amplifier unit;

a third switching unit provided between a junction of the first and second transmission lines and ground to be alternatively turned on and off according to ~~[[a]]~~ the TDD control signal so as to maintain or block a transmission of the receiving signal; and

third and fourth transmission lines coupled between the terminal and the first and second

switching units to transmit the TDD control signal to the first and second switching units as a bias signal, and having a quarter of ~~[[a]]~~ the wavelength of the transmitting and receiving signals.

2. **(currently amended)** The ~~TDD-type~~ TDD power amplification module of claim 1, wherein the power amplifier unit comprises:

a power amplifier coupled between the first and second switching units to amplify the transmitting signal by a predetermined gain; and

first and second matching networks coupled between input and output terminals of the power amplifier and the first and second switching units to perform impedance matching.

3. **(currently amended)** The ~~TDD-type~~ TDD power amplification module of claim 1, wherein the power amplifier unit comprises:

one of a filter and a circuit removing a high frequency component of the amplified transmitting signal outputted from the power amplifier unit.

4. **(currently amended)** The ~~TDD-type~~ TDD power amplification module of claim 1, wherein each of the first, second, and third switching units comprises:

a pin diode.

5. **(currently amended)** The ~~TDD-type~~ TDD power amplification module of claim 1, wherein the power amplifier unit is in one of an on-state and an off-state according to the TDD control signal.

6. **(currently amended)** The ~~TDD-type~~ TDD power amplification module of claim 2, wherein the second matching network comprises:

one of a filter and a circuit removing a high frequency component of the amplified transmitting signal outputted from the power amplifier unit.

7-8. (canceled)

9. **(currently amended)** A bluetooth module, comprising:

a bluetooth transceiver having a first terminal through which a transmitting signal and a receiving signal are transmitted, and generating a TDD transmitting and receiving mode control signal; and

a TDD power amplification module formed of an integrated circuit, having a second terminal receiving the TDD transmitting and receiving mode control signal, having a first port connected to the first terminal of the bluetooth transceiver, having a second port, amplifying the transmitting signal received from the bluetooth transceiver through the first port to output the amplified transmitting signal through the second port according to the TDD transmitting and receiving mode control signal, and transmitting the receiving signal received through the second port without amplifying the receiving signal;

~~The bluetooth module of claim 8,~~ wherein the TDD power amplification module comprises:

first and second transmission lines coupled between the first and second ports through first and second capacitors, respectively;

a first switch coupled between the second terminal and a first junction between the first capacitor and the first transmission line;

a second switch coupled between the second terminal and a second junction between the second capacitor and the second transmission line; and

a third switch coupled between ground ~~a potential~~ and a third junction between the first and second transmission lines.

10. **(currently amended)** The bluetooth module of claim 9, wherein the TDD power amplification module further comprises:

a power amplifier amplifying the transmitting signal transmitted through the first switch to output the amplified transmitting signal to the second switch according to the TDD transmitting and receiving mode control signal.

11. **(currently amended)** The bluetooth module of claim 10, wherein the TDD power amplification module further comprises:

a third capacitor and a first matching network coupled between the power amplifier and the first switch.

12. **(currently amended)** The bluetooth module of claim ~~[[10]]~~ 11, wherein the TDD power amplification module further comprises:

a fourth capacitor and a second matching network coupled between the power amplifier and the second switch.

13. **(currently amended)** The bluetooth module of claim 10, wherein the TDD power amplification module further comprises:

a third transmission line coupled between the second terminal and the first switch.

14. **(currently amended)** The bluetooth module of claim ~~[[10]]~~ 13, wherein the TDD power amplification module further comprises:

a fourth transmission line coupled between the second terminal and the second switch.

15. **(currently amended)** The bluetooth module of claim 10, wherein the TDD power amplification module further comprises:

a first path formed by the first port, the first switch, the power amplifier, the second switch, and the second port so as to transmit the transmitting signal through the power amplifier.

16. **(currently amended)** The bluetooth module of claim 15, wherein the TDD power amplification module further comprises:

a second path formed by the second port, the second transmission line, the first transmission line, and the first port so as to transmit the receiving signal from the second port to the first port without passing through the power amplifier.

17. **(currently amended)** The bluetooth module of claim ~~[[11]]~~ 10, wherein the first switch comprises:

a first pin diode having an anode coupled to the second terminal and a cathode coupled to the first junction between the first port and the first transmission line.

18. **(original)** The bluetooth module of claim 17, wherein the second switch comprises:

a second pin diode having an anode coupled to the second terminal and a cathode coupled to the second junction between the second port and the second transmission line.

19. **(currently amended)** The bluetooth module of claim 10, wherein the third switch comprises:

a pin diode having an anode coupled to ~~[[a]]~~ the third junction between the first and second transmission lines and a cathode coupled to the ground.

20. **(canceled)**